

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 10/551,655  
Source: pu710  
Date Processed by STIC: 10/14/05

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/24/05



*Suggestion: Consult  
Sequence Rules for valid format.*

PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/551,655

DATE: 10/14/2005  
TIME: 13:33:03

Input Set : N:\RJAVED\10551655.txt  
Output Set: N:\CRF4\10142005\J551655.raw

3 <110> APPLICANT: Nihon university  
 W--> 4 <120> TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING 2-HYDROXYISOFLAVANONE  
 W--> 5 DEHYDRATASE AND USE THEREOF  
 W--> 6 <130> FILE REFERENCE: 10465  
 C--> 7 <140> CURRENT APPLICATION NUMBER: US/10/551,655  
 C--> 7 <141> CURRENT FILING DATE: 2005-09-28  
 7 <150> PRIOR APPLICATION NUMBER: JP 2003-092337  
 W--> 8 <151> PRIOR FILING DATE: (2003-3-28) 2003-03-28  
 W--> 9 <160> NUMBER OF SEQ ID: 10

*app 1-3*  
*Does Not Comply*  
*Corrected Diskette Neede*

## ERRORED SEQUENCES

*replace with*

251 <210> SEQ ID NO: 4  
 252 <211> LENGTH: 19 960  
 E--> 253 <212> TYPE: 960  
 254 <213> ORGANISM: Glycine max  
 255 <223> OTHER INFORMATION: DNA  
 E--> 257 <400> SEQUENCE: 4  
 258 atg gcg aag gag ata gtg aaa gag ctt ctt cct cta att cga gtg tac 48  
 259 Met Ala Lys Glu Ile Val Lys Glu Leu Leu Pro Leu Ile Arg Val Tyr  
 260 1 5 10 15  
 262 aag gat ggc agc gtg gag cgt ctt cta agc tct gaa aac gtg gca gcc 96  
 263 Lys Asp Gly Ser Val Glu Arg Leu Leu Ser Ser Glu Asn Val Ala Ala  
 264 20 25 30  
 266 tcc cct gaa gat ccc caa act gga gtc tca tcc aaa gac ata gtc atc 144  
 267 Ser Pro Glu Asp Pro Gln Thr Gly Val Ser Ser Lys Asp Ile Val Ile  
 268 35 40 45  
 270 gca gac aac ccc tac gtc tcc gct cgc att ttc ctt ccc aaa tcc cac 192  
 271 Ala Asp Asn Pro Tyr Val Ser Ala Arg Ile Phe Leu Pro Lys Ser His  
 272 50 55 60  
 274 cac act aac aac aaa ctc ccc atc ttc ctc tac ttc cac ggt ggc gcc 240  
 275 His Thr Asn Asn Lys Leu Pro Ile Phe Leu Tyr Phe His Gly Ala  
 276 65 70 75 80  
 278 ttt tgc gtc gaa tcc gcc ttc tcc ttt ttc gtc cac cgc tat ctc aac 288  
 279 Phe Cys Val Glu Ser Ala Phe Ser Phe Phe Val His Arg Tyr Leu Asn  
 280 85 90 95  
 282 atc ttg gcc tca gaa gcc aac ata ata gcc atc tcc gtc gac ttc aga 336  
 283 Ile Leu Ala Ser Glu Ala Asn Ile Ile Ala Ile Ser Val Asp Phe Arg  
 284 100 105 110  
 286 ctc ctc cca cac cac cct atc cct gct gcc tac gaa gac ggt tgg acc 384  
 287 Leu Leu Pro His His Pro Ile Pro Ala Ala Tyr Glu Asp Gly Trp Thr  
 288 115 120 125

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/551,655

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Input Set : N:\RJAVED\10551655.txt  
Output Set: N:\CRF4\10142005\J551655.raw

290	acc ctc aaa tgg att gct tcc cac gcc aac aac acc acc acc aac	432
291	Thr Leu Lys Trp Ile Ala Ser His Ala Asn Asn Thr Asn Thr Thr Asn	
292	130 135 140	
294	ccg gag cca tgg cta ctc aac cac gcc gac ttc acc aaa gtc tac gta	480
295	Pro Glu Pro Trp Leu Leu Asn His Ala Asp Phe Thr Lys Val Tyr Val	
296	145 150 155 160	
298	gga ggt gaa acc agc ggt gct aac atc gca cac aac ctg ctt ttg cgt	528
299	Gly Gly Glu Thr Ser Gly Ala Asn Ile Ala His Asn Leu Leu Arg	
300	165 170 175	
302	gca ggt aac gaa tcc ctc ccc ggg gat ctg aaa ata ttg ggt gga tta	576
303	Ala Gly Asn Glu Ser Leu Pro Gly Asp Leu Lys Ile Leu Gly Gly Leu	
304	180 185 190	
306	cta tgc tgc ccc ttc ttc tgg ggc tcg aag cca att ggg tcg gag gct	624
307	Leu Cys Cys Pro Phe Phe Trp Gly Ser Lys Pro Ile Gly Ser Glu Ala	
308	195 200 205	
310	gtt gag ggg cac gag cag agt ttg gcc atg aag gtc tgg aac ttt gcc	672
311	Val Glu Gly His Glu Gln Ser Leu Ala Met Lys Val Trp Asn Phe Ala	
312	210 215 220	
314	tgc cct gat gcc ccc ggt gga atc gat aac ccc tgg atc aac ccc tgt	720
315	Cys Pro Asp Ala Pro Gly Gly Ile Asp Asn Pro Trp Ile Asn Pro Cys	
316	225 230 235 240	
318	gtt cct ggg gca ccc tct ttg gcc act ctt gcc tgc tct aag ttg ctc	768
319	Val Pro Gly Ala Pro Ser Leu Ala Thr Leu Ala Cys Ser Lys Leu Leu	
320	245 250 255	
322	gtt act atc act ggc aaa gac gag ttc aga gac aga gat att ctc tac	816
323	Val Thr Ile Thr Gly Lys Asp Glu Phe Arg Asp Arg Asp Ile Leu Tyr	
324	260 265 270	
326	cac cac acc gtt gag caa agt ggc tgg caa ggt gaa ctt caa ctc ttt	864
327	His His Thr Val Glu Gln Ser Gly Trp Gln Gly Glu Leu Gln Leu Phe	
328	275 280 285	
330	gat gct ggc gat gag gag cat gct ttc cag ctc ttc aag cct gag act	912
331	Asp Ala Gly Asp Glu Glu His Ala Phe Gln Leu Phe Lys Pro Glu Thr	
332	290 295 300	
334	cat ctt gct aaa gcc atg atc aaa cgc ttg gct tct ttt ctg gtt tga	960
335	His Leu Ala Lys Ala Met Ile Lys Arg Leu Ala Ser Phe Leu Val	
336	305 310 315	

383 <210> SEQ ID NO: 10

384 <211> LENGTH: 30

385 <212> TYPE: DNA

386 <213> ORGANISM: Artificial Sequence

W--> 388 <220> FEATURE:

W--> 388 <223> OTHER INFORMATION:

W--> 388 <400> 10

389 gggagctcga gtcaaaccag aaaagaagcc 30

E--> 394 1/14

*Delete*

*Explanation needed  
for "Artificial Sequence"  
( see p.3 )*

*This error appears  
in other sequences  
( see p.3 )*

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/14/2005  
PATENT APPLICATION: US/10/551,655 TIME: 13:33:04

Input Set : N:\RJAVED\10551655.txt  
Output Set: N:\CRF4\10142005\J551655.raw

#### Use of <220> Feature (NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings. Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:5,6,7,8,9,10

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/551,655

DATE: 10/14/2005

TIME: 13:33:04

Input Set : N:\RJAVED\10551655.txt

Output Set: N:\CRF4\10142005\J551655.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier  
L:6 M:283 W: Missing Blank Line separator, <130> field identifier  
L:7 M:270 C: Current Application Number differs, Replaced Current Application No  
L:7 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:8 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:9 M:283 W: Missing Blank Line separator, <160> field identifier  
L:16 M:283 W: Missing Blank Line separator, <220> field identifier  
L:253 M:310 E: (3) Wrong or Missing Sequence Type, numeric identifier <212>, for SEQ ID#:4  
L:257 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:4  
L:344 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>  
ORGANISM:Artificial Sequence  
L:344 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>  
ORGANISM:Artificial Sequence  
L:344 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:344  
L:353 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>  
ORGANISM:Artificial Sequence  
L:353 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>  
ORGANISM:Artificial Sequence  
L:353 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:353  
L:361 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>  
ORGANISM:Artificial Sequence  
L:361 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>  
ORGANISM:Artificial Sequence  
L:361 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:361  
L:370 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>  
ORGANISM:Artificial Sequence  
L:370 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>  
ORGANISM:Artificial Sequence  
L:370 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:370  
L:379 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>  
ORGANISM:Artificial Sequence  
L:379 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>  
ORGANISM:Artificial Sequence  
L:379 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:379  
L:388 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>  
ORGANISM:Artificial Sequence  
L:388 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>  
ORGANISM:Artificial Sequence  
L:388 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:388  
L:394 M:254 E: No. of Bases conflict, LENGTH:Input:14 Counted:31 SEQ:10  
L:394 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2  
L:394 M:252 E: No. of Seq. differs, <211> LENGTH:Input:30 Found:31 SEQ:10